STIC Biotechnology Systems Branch

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/913,762
Source: TFW16
Date Processed by STIC: 3/18/05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 4.2.2 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**> , **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. **Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):** U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/24/05

Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 09/913,762

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

1	Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
2	Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.
3	Misaligned Amino Numbering	The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
4	Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
5	Variable Length	Sequence(s)____contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
6	PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
7	Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
8	Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000
9	Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
10	Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
11	Use of <220>	Sequence(s) _____ ~~missing the <220> "Feature" and associated numeric identifiers and responses.~~ Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
12	PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
13	Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

IFW16

RAW SEQUENCE LISTING DATE: 03/18/2005
PATENT APPLICATION: **US/09/913,762** TIME: 10:41:08

Input Set : **A:\9446.2 Sequence Listing CRF.TXT**
Output Set: **N:\CRF4\03182005\I913762.raw**

<110> APPLICANT: Milligan, Graeme
Rees, Edward S.

<120> TITLE OF INVENTION: Receptor Assay

<130> FILE REFERENCE: 9013-13

<140> CURRENT APPLICATION NUMBER: 09/913,762

<141> CURRENT FILING DATE: 2001-11-27

<150> PRIOR APPLICATION NUMBER: GB 9903767.3

<151> PRIOR FILING DATE: 1999-02-18

<160> NUMBER OF SEQ ID NOS: 17

<170> SOFTWARE: PatentIn version 3.2

<210> SEQ ID NO: 1
<211> LENGTH: 63
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 1
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ggc 63

<210> SEQ ID NO: 2
<211> LENGTH: 36
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 2
aaaaaggatc ctcccgccag cagtgagtca tttgta 36

<210> SEQ ID NO: 3
<211> LENGTH: 27
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 3
atggactaca aggacgacga tgataag 27

<210> SEQ ID NO: 4
<211> LENGTH: 32
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 4
aaaaaggatc cagtaaagga gaagaacttt tc 32

RAW SEQUENCE LISTING DATE: 03/18/2005
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Input Set : **A:\9446.2 Sequence Listing CRF.TXT**
Output Set: **N:\CRF4\03182005\I913762.raw**

70 <210> SEQ ID NO: 5
71 <211> LENGTH: 33
72 <212> TYPE: DNA
73 <213> ORGANISM: Artificial sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Primer
78 <400> SEQUENCE: 5
79 tgctctagat tatttgtata gttcatccat gcc 33
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 28
84 <212> TYPE: DNA
85 <213> ORGANISM: Artificial sequence
87 <220> FEATURE:
88 <223> OTHER INFORMATION: Primer
90 <400> SEQUENCE: 6
91 ggaaggtacc agtaaaggag aagaactt 28
94 <210> SEQ ID NO: 7
95 <211> LENGTH: 36
96 <212> TYPE: DNA
97 <213> ORGANISM: Artificial sequence
99 <220> FEATURE:
100 <223> OTHER INFORMATION: Primer
102 <400> SEQUENCE: 7
103 tgctctagat tatttgtata gttcatccat gccatg 36
106 <210> SEQ ID NO: 8
107 <211> LENGTH: 27
108 <212> TYPE: DNA
109 <213> ORGANISM: Artificial sequence
111 <220> FEATURE:
112 <223> OTHER INFORMATION: Primer
114 <400> SEQUENCE: 8
115 gacggtacct ctaaaatgaa tcccgat 27
118 <210> SEQ ID NO: 9
119 <211> LENGTH: 26
120 <212> TYPE: DNA
121 <213> ORGANISM: Artificial sequence
123 <220> FEATURE:
124 <223> OTHER INFORMATION: Primer
126 <400> SEQUENCE: 9
127 gtccctggta ccaaagtgcc cgggtg 26
130 <210> SEQ ID NO: 10
131 <211> LENGTH: 10
132 <212> TYPE: PRT
133 <213> ORGANISM: Artificial sequence
135 <220> FEATURE:
136 <223> OTHER INFORMATION: Novel insufficient explanation - give source of genetic material - see item 11 on Error Summary Sheet
138 <400> SEQUENCE: 10
140 Ala Gly Ala Gly Ala Gly Ala Gly Gly Ala
141 1 5 10

RAW SEQUENCE LISTING DATE: 03/18/2005
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Input Set : **A:\9446.2 Sequence Listing CRF.TXT**
Output Set: **N:\CRF4\03182005\I913762.raw**

<210> SEQ ID NO: 11
<211> LENGTH: 4
<212> TYPE: PRT
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<220> FEATURE:
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<400> SEQUENCE: 11
Ala Gly Ala Gly
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<211> LENGTH: 6
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<223> OTHER INFORMATION: Novel
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Ala Gly Ala Gly Gly Ala
1 5
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<211> LENGTH: 20
<212> TYPE: DNA
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<223> OTHER INFORMATION: Primer
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gcgcagagcc cgggacaatg 20
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<211> LENGTH: 33
<212> TYPE: DNA
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<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 14
gctggatcct tttccgaagt taacagcttt ttg 33
<210> SEQ ID NO: 15
<211> LENGTH: 22
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 15
cagtttgggt ctgaattgtg tc 22
<210> SEQ ID NO: 16
<211> LENGTH: 34
<212> TYPE: DNA
<213> ORGANISM: Artificial sequence
<220> FEATURE:
<223> OTHER INFORMATION: Primer
<400> SEQUENCE: 16

RAW SEQUENCE LISTING DATE: 03/18/2005
PATENT APPLICATION: **US/09/913,762** TIME: 10:41:08

Input Set : **A:\9446.2 Sequence Listing CRF.TXT**
Output Set: **N:\CRF4\03182005\I913762.raw**

217 ctttcaaggc tagggtcgtc acgacctcgt ccgc 34
220 <210> SEQ ID NO: 17
221 <211> LENGTH: 41
222 <212> TYPE: DNA
223 <213> ORGANISM: Artificial sequence
225 <220> FEATURE:
226 <223> OTHER INFORMATION: Primer
228 <400> SEQUENCE: 17
229 ccggtgcagg aggtgcaaaa atggatacct gctctagtaa c 41

VERIFICATION SUMMARY DATE: 03/18/2005
PATENT APPLICATION: **US/09/913,762** TIME: 10:41:09

Input Set : **A:\9446.2 Sequence Listing CRF.TXT**
Output Set: **N:\CRF4\03182005\I913762.raw**